

**UTILITY PATENT APPLICATION TRANSMITTAL**  
(Only for new nonprovisional applications under 37 CFR 1.53(b))

22390 U.S. PTO  
10/719614  
112103

Docket No. : 51089/DBP/Y35  
Inventor(s) : Duck-Chul Hwang  
Title : POSITIVE ELECTRODE FOR LITHIUM-SULFUR BATTERY  
AND LITHIUM-SULFUR BATTERY COMPRISING SAME  
Express Mail Label No. : EV351235175US

**ADDRESS TO:** Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

November 21, 2003

1. ☒ **FEE TRANSMITTAL FORM** (*Submit an original, and a duplicate for fee processing*).

2. **IF A CONTINUING APPLICATION**

\_\_\_\_\_ This application is a \_\_\_\_\_ of patent application No. \_\_\_\_\_  
Prior application information: Examiner ; Group Art Unit: \_\_\_\_\_

\_\_\_\_\_ This application claims the benefit of Provisional Application No. \_\_\_\_\_ pursuant to 35 U.S.C.  
§119(e) and 37 CFR §1.78(a)(4).

3. **APPLICATION COMPRISED OF**

**Specification**

34 Specification, claims and Abstract (total pages)

**Drawings**

3 Sheets of formal drawing(s) (FIGS. 1 to 4)

**Declaration and Power of Attorney**

☒ Newly executed  
\_\_\_\_\_ Unexecuted declaration  
\_\_\_\_\_ Copy from a prior application (37 CFR 1.63(d))(for continuation and divisional)

4. \_\_\_\_\_ **Microfiche Computer Program** (*Appendix*)

5. \_\_\_\_\_ **Nucleotide and/or Amino Acid Sequence Submission** (*if applicable, all necessary*)

\_\_\_\_\_ Computer Readable Copy  
\_\_\_\_\_ Paper Copy (identical to computer copy)  
\_\_\_\_\_ Statement verifying identity of above copies

6. **APPLICANT(S) STATUS UNDER 37 CFR §1.27**

\_\_\_\_\_ Applicant(s) and any others associated with it/them under §1.27(a) are a SMALL  
ENTITY

---

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Only for new nonprovisional applications under 37 CFR 1.53(b))**

Docket No.: 51089/DBP/Y35

---

**7. ALSO ENCLOSED ARE**


- ☐ Request and Certificate under 35 U.S.C. §122(b)(2)(B)(i) **Request for Non-Publication**
- ☐ Preliminary Amendment
- ☐ Includes "Cross-Reference to Related Applications"
- ☐ A Petition for Extension of Time for the parent application and the required fee are enclosed
- ☒ An Assignment of the invention with the Recordation Cover Sheet and the recordation fee are enclosed
- ☐ This application is owned by pursuant to an Assignment recorded at Reel , Frame
- ☒ Information Disclosure Statement (IDS)/PTO/SB/08A/B
- ☐ Copies of IDS Citations
- ☒ Certified copy of Priority Document(s) (*if foreign priority is claimed*)
- ☐ English Translation Document (*if applicable*)
- ☒ Return Receipt Postcard (MPEP 503) (should be specifically itemized).
- ☐ Other:

**8. CORRESPONDENCE ADDRESS**

**CHRISTIE, PARKER & HALE, LLP, P.O. BOX 7068, PASADENA, CA 91109-7068**  
**Customer Number: 23363**

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By 

D. Bruce Prout  
Reg. No. 20,958  
626/795-9900

**FEE TRANSMITTAL  
UTILITY PATENT APPLICATION**

**DATE: November 21, 2003**

Docket No. : 51089/DBP/Y35  
Inventor(s) : Duck-Chul Hwang  
Title : POSITIVE ELECTRODE FOR LITHIUM-SULFUR BATTERY AND  
LITHIUM-SULFUR BATTERY COMPRISING SAME Duplicate X

**FEE DETERMINATION**

CLAIMS AS FILED					
	NUMBER FILED	NUMBER EXTRA	SMALL ENTITY RATE	LARGE ENTITY RATE	FEE
TOTAL CLAIMS	30 - 20	= 10	x \$9.00	10 x \$18.00	180
INDEPENDENT CLAIMS	2 - 3	= 0	x \$43.00	0 x \$86.00	0
MULTIPLE-DEPENDENT CLAIMS FEE			\$145.00	\$290.00	0
BASIC FEE			\$385.00	\$770.00	770
TOTAL FILING FEE					\$950
List Independent Claims: 1 and 16					

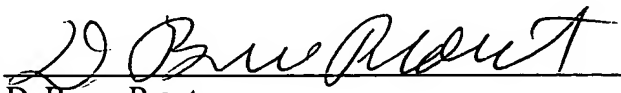
**METHOD OF PAYMENT**

X Payment Enclosed: Check for \$950.00.

X The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16 and 1.17 which may be required during the **entire pendency** of the application to Deposit Account No. 03-1728. Please show our docket number with any charge or credit to our Deposit Account. **A duplicate copy of this sheet is enclosed.**

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By   
D. Bruce Prout  
Reg. No. 20,958  
626/795-9900

DBP/aam